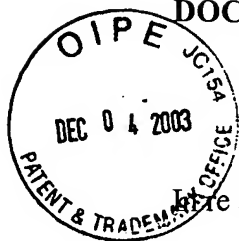


DOCKET NO. UTAD-0001

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Here application of:

A. Dean Sherry, et al.

Serial No.: 10/001,858

Filed: November 20, 2001

For: PARAMAGNETIC METAL ION-BASED MACROCYCLICS  
MAGNETIZATION TRANSFER CONTRAST AGENTS AND  
METHOD OF USE

Group No.: 1616

Examiner: Dameron L. Jones

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313, on	
12-10-2003	(Date)
Elizabeth Schumacher	
(Printed or typed name of person signing the certificate)	
Elizabeth Schumacher	
(Signature of the person signing the certificate)	
12-10-2003	(Date of Signature)

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 C.F.R. §1.56 and the provisions of 37 C.F.R. §§1.97 and 1.98 and §609 of the Manual of Patent Examining Procedure, Applicant hereby makes a disclosure of the patents, publications and other information listed below and on the accompanying form PTO-1449, which may be potentially material to the patentability of the invention disclosed in the above-referenced application. Pursuant to § 1.97(e) the Applicant hereby states that each item of information contained in the information disclosure statement was cited in a communication from

a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

<u>Foreign Patent No.</u>	<u>Country</u>	<u>Date</u>
00/47111	WO	17.08.00
93/12097	WO	24.06.93
91/03200	PCT	21.03.91

References:

Zhang, et al.; "A NOVEL pH SENSITIVE MRI CONTRAST AGENT"; Angew. Chemical International Edition 1999; Vol. 38, No. 21; Pgs. 3192-3194.

Tanttu, et al.; "SYNERGISTIC ENHANCEMENT OF MRI WITH Gd-DTPA AND MAGNETIZATION TRANSFER"; Journal of Computer Assisted Tomography; Vol. 16, No. 1; 1992; Pgs. 19-24.

Jones et al.; "IMPROVING THE CONTRAST IN RAPID IMAGING SEQUENCES WITH PULSED MAGNETIZATION TRANSFER CONTRAST"; Journal of Magnetic Resonance; 1992; Vol. 97, No. 1; Pgs. 171-176.

Balaban et al.; "MAGNETIZATION TRANSFER CONTRAST IN MAGNETIC RESONANCE IMAGING"; Magnetic Resonance Quarterly, Vol. 8, No. 2, 1992; Pgs. 116-137.

Zhang et al.; "A NOVEL EUROPIUM (III) BASED MRI CONTRACT AGENT"; 2001 American Chemical Society; Vol. 123, No. 7; Pg.1518.

Zhang et al.; "DOTA-BIS (AMIDE)} LANTHANIDE COMPLEXES: NMR EVIDENCE FOR DIFFERENCES IN WATER-MOLECULE EXCHANGE RATES FOR COORDINATION ISOMERS"; Chem. Eur. J. 2001, Vol. 7, No. 1; Pgs. 288-296.

Aime et al.; "PARAMAGNETIC LANTHANIDE(III) COMPLEXES AS pH-SENSITIVE CHEMICAL EXCHANGE SATURATION TRANSFER (CEST) CONTRAST AGENTS FOR MRI APPLICATIONS"; Magnetic Resonance in Medicine, Vol. 47, No. 4, April 2002; Pgs. 639-648.

Zhang et al.; "UNUSUALLY SHARP DEPENDENCE OF WATER EXCHANGE RATE VERSUS LANTHANIDE IONIC RADII FOR A SERIES OF TETRAMIDE COMPLEXES"; Journal American Society, 2002, Vol. 124, No. 16; Pgs. 4226-4227.

Applicant hereby certifies that each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement.

As attorney for the Applicant, I am signing below on the basis of the information supplied by an individual designated in § 1.56(c).

Respectfully submitted,

HITT GAINES, P.C.

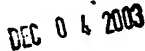
A handwritten signature in black ink, appearing to read "Charles W. Gaines", written over a horizontal line.

Charles W. Gaines

Registration No. 36,804

Date: 12/2/07

Hitt Gaines, P.C.  
P.O. Box 832570  
Richardson, Texas 75083  
(972) 480-8800



Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

*(Use as many sheets as necessary)*

Sheet	1	of	2
-------	---	----	---

**Complete if Known**

Application Number	10/001,858
Filing Date	November 20, 2001
First Named Inventor	A. Dean Sherry, et al.
Art Unit	1616
Examiner Name	Dameron L. Jones
Attorney Docket Number	UTAD-0001

## U. S. PATENT DOCUMENTS

[illegible]

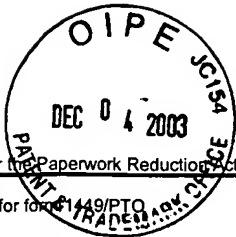
**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> ~ Number <sup>4</sup> ~ Kind Code <sup>5</sup> (if known)				
		WO 00/47111	08/07/2000	Board of Regents		
		WO 93/12097	06/24/1993	Board of Regents		
		WO 91/03200	03/21/1991	General Hospital Co.		

Date  
Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/001,858
Filing Date	November 20, 2001
First Named Inventor	A. Dean Sherry, et al.
Art Unit	1616
Examiner Name	Dameron L. Jones
Attorney Docket Number	UTAD-0001

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Zhang, et al.; "A NOVEL pH SENSITIVE MRI CONTRAST AGENT"; Angew. Chemical International Edition 1999; Vol. 38, No. 21; Pgs. 3192-3194.	
		Tanttu, et al.; "SYNERGISTIC ENHANCEMENT OF MRI WITH Gd-DTPA AND MAGNETIZATION TRANSFER"; Journal of Computer Assisted Tomography; Vol. 16, No. 1; 1992; Pgs. 19-24.	
		Jones et al.; "IMPROVING THE CONTRAST IN RAPID IMAGING SEQUENCES WITH PULSED MAGNETIZATION TRANSFER CONTRAST"; Journal of Magnetic Resonance; 1992; Vol. 97, No. 1; Pgs. 171-176.	
		Balaban et al.; "MAGNETIZATION TRANSFER CONTRAST IN MAGNETIC RESONANCE IMAGING"; Magnetic Resonance Quarterly, Vol. 8, No. 2, 1992; Pgs. 116-137.	
		Zhang et al.; "A NOVEL EUROPIUM (III) BASED MRI CONTRAST AGENT"; 2001 American Chemical Society; Vol. 123, No. 7; Pg.1518.	
		Zhang et al.; "DOTA-BIS (AMIDE) LANTHANIDE COMPLEXES: NMR EVIDENCE FOR DIFFERENCES IN WATER-MOLECULE EXCHANGE RATES FOR COORDINATION ISOMERS"; Chem. Eur. J. 2001, Vol. 7, No. 1; Pgs. 288-296.	
		Aime et al.; "PARAMAGNETIC LANTHANIDE(III) COMPLEXES AS pH-SENSITIVE CHEMICAL EXCHANGE SATURATION TRANSFER (CEST) CONTRAST AGENTS FOR MRI APPLICATIONS"; Magnetic Resonance in Medicine, Vol. 47, No. 4, April 2002; Pgs. 639-648.	
		Zhang et al.; "UNUSUALLY SHARP DEPENDENCE OF WATER EXCHANGE RATE VERSUS LANTHANIDE IONIC RADII FOR A SERIES OF TETRAMIDE COMPLEXES"; Journal American Society, 2002, Vol. 124, No. 16; Pgs. 4226-4227.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.